

114

JOURNAL OF SOUTH AFRICAN BOTANY

VOLUME 35

1969

Published under the Authority of the Trustees of the
NATIONAL BOTANIC GARDENS OF
SOUTH AFRICA
Kirstenbosch, Newlands, Cape Province

EDITOR

H. B. RYCROFT,

M.Sc. (S.Af.), B.Sc. For. (Stell.), Ph.D. (Cape Town), F.L.S., F.R.S. (S.Af.)

DIRECTOR OF THE NATIONAL BOTANIC GARDENS OF SOUTH AFRICA
HAROLD PEARSON PROFESSOR OF BOTANY IN THE UNIVERSITY OF CAPE TOWN



Digitized by the Internet Archive
in 2024

JOURNAL OF SOUTH AFRICAN BOTANY

VOLUME 35 1969

CONTENTS

	PAGE
PRELIMINARY ASSESSMENT OF ECOLOGICAL STATUS OF PLANT SPECIES IN THREE SOUTH AFRICAN VELD TYPES. J. O. Grunow, B.Sc. Agric. (Natal), D.Sc. Agric. (Pret.) and J. W. Morris, M.Sc. (Natal) ..	1
EUPHORBIA SPECIES FROM THE FLORA ZAMBESIACA AREA: VIII. L. C. Leach	13
THREE NEW SPECIES AND A NEW VARIETY OF ERICA. H. A. Baker, O.B.E., M.C.	25
CYRTANTHUS BREVIFLORUS AND CYRTANTHUS LUTEUS (AMARYLLIDACEAE): OBSERVATIONS WITH PARTICULAR REFERENCE TO NATAL POPULATIONS. Kathleen Gordon-Gray, M.Sc. (S.Af.), Ph.D. (Natal)	35
BOOK REVIEW: <i>Botanico—Periodicum—Huntianum</i> ed. by George H. M. Lawrence, A. F. Gunther Buchheim, Gilbert S. Daniels, Helmut Dolezal (Enid du Plessis)	63
THE VOLUME " <i>ICONES PLANTARUM ET ANIMALIUM</i> " IN THE AFRICANA MUSEUM, JOHANNESBURG; AND ITS RELATIONSHIP TO THE <i>CODEX WITSENII</i> QUOTED BY JAN BURMAN IN HIS " <i>DECADES RARIORUM AFRICANUM PLANTARUM</i> ." M. M. Macnae, M.Sc. (Cape Town) and L. E. Davidson, M.Sc. (Witwatersrand) ..	65
STUDIES IN CYPERACEAE IN SOUTHERN AFRICA: VI. A NEW COMBINATION IN <i>FUIRENA</i> WITH NOTES ON THE SPECIES. Patricia L. Forbes, M.Sc. (CAPE TOWN)	83
SECONDARY THICKENING IN GEOPHYTIC LILIACEAE. J. Coetzee, M.Sc. (Pretoria) and H. P. van der Schijff, D.Sc. (Potch.)	99
THREE NEW RECORDS OF SOUTHERN HEMISPHERE BRYOPHYTA FOR SOUTH AFRICA. E. A. C. L. E. Schelpe, M.Sc. (S.Af.), D.Phil. (Oxon.), F.L.S.	109
ANNULAR CURVES OF THE OSMOTIC PRESSURE OF CERTAIN PLANTS ON THE CAPE FLATS. J. B. Gouws, D.Sc. (Pretoria) and J. Aalbers, B.Sc. Hons. (Stell.)	113
A REVISED CHECK-LIST OF THE PTERIDOPHYTA OF SOUTHERN AFRICA. E. A. C. L. E. Schelpe, M.Sc. (S.Af.), D.Phil. (Oxon.) F.L.S. ..	127
BOOK REVIEWS: <i>Recent Aspects of Nitrogen Metabolism in Plants</i> ed. by E. J. Hewitt and C. V. Cutting (N. Grobbelaar)	141
<i>Dendrologia de Moçambique</i> by A. Gomes e Sousa. (Enid du Plessis)	141

	PAGE
NOTES ON MESEMBRYANTHEMUM AND ALLIED GENERA. H. M. L. Bolus, Hon. D.Sc. (Stell.), F.R.S.S.Af.	143
NOTES ON THE GENUS DELOSPERMA. (MESEMBRIEAE) M. Lavis	145
STUDIES IN THE XYLARIACEAE: EUPHYPOXYLON. P. Martin, B.Sc. Hons. (Cape Town), M.Sc. (Rhodes), Ph.D. (Calif.)	149
NOTES ON THE DIATOM (<i>BACTERIASTRUM TENUE</i>) STEEMANN NIELSEN. P. Reinecke, M.Sc. (Cape Town)	207
OBSERVATIONS ON THE ANATOMY OF FOLIAR NODES OF YOUNG <i>BRUGUIERA GYMNOARRHIZA</i> (L.) Lam. C. M. Breen, M.Sc. (Rhodes) and I. D. Jones	211
THE GENUS SPARAXIS. P. Goldblatt, B.Sc. Hons. (Rand)	219
HISTOCHEMICAL LOCALISATION BY ELECTRON MICROSCOPY OF PECTIC SUBSTANCES IN ABSCISING TISSUE. Chris H. Bornman, B.Sc. (Agric.) (Stell.), M.Sc. (Stell.), Ph.D. (Calif.), Arthur R. Spurr, Ph.D. (Calif.) and Frederick T. Addicott, Ph.D. (Calif.)	253
BOOK REVIEW: <i>Grasses</i> by C. E. Hubbard (Revised edition) (B. de Winter)	265
STUDIES IN THE XYLARIACEAE: VI. DALDINIA, NUMULARIOLA AND THEIR ALLIES. P. Martin, B.Sc. Hons. (Cape Town), M.Sc. (Rhodes), Ph.D. (Calif.)	267
A NEW COMBINATION IN <i>LACHENALIA</i> WITH NOTES ON THE SPECIES. W. F. Barker, B.Sc. (S.Af.)	321
NOTES ON THE NOMENCLATURE OF LEUCOSPERMUM R.Br.: II. J. P. Rourke, M.Sc. (Cape Town), F.L.S.	323
TYPES OF BRUNIACEAE IN THE THUNBERG HERBARIUM. E. Powrie, M.B., Ch.B. (Cape Town)	327
BOOK REVIEW: <i>Plant Cells</i> by F. A. L. Clowes and B. E. Juniper (A. R. A. Noel)	341
THE GENUS PORPHYRA ON SOUTH AFRICAN COASTS: I. OBSERVATIONS ON THE AUTECOLOGY OF <i>PORPHYRA CAPENSIS</i> SENSU ISAAC (1957), INCLUDING A DESCRIPTION OF DWARF PLANTS. Judith M. Graves, M.Sc. (Cape Town)	343
A NEW SPECIES OF TITTMANNIA (BRUNIACEAE). E. Powrie, M.B., Ch.B. (Cape Town)	363
THE VEGETATION OF THE THOMAS BAINES RESERVE. J. P. Jessop, M.Sc. (Cape Town) and A. Jacot Guillarmod, M.A., D.Sc. (St. Andrews), F.L.S.	367
STUDIES IN THE XYLARIACEAE: VII. ANTHOSTOMELLA AND LOPADOSTOMA. P. Martin, B.Sc. Hons. (Cape Town), M.Sc. (Rhodes), Ph.D. (Calif.)	393
BOOK REVIEWS: <i>Plant Symbiosis</i> by George D. Scott. <i>Developmental Plant Anatomy</i> by Alan R. Gemmell (A. R. A. Noel)	411

U. of ILL. LIBRARY

JAN 28 1970

CHICAGO CIRCLE